

HOKAZON01 (AOYB)_ST25.txt
SEQUENCE LISTING

<110> TAKARA BIO INC.
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UEMORI, Takashi
TANAKA, Tetsuki
KATO, Ikunoshin

<120> Thermostable RNase H

<130> HOKAZON01

<140> 10/536,073

<141> 2005-02-28

<150> JP 2002-254153

<151> 2002-08-30

<150> PCT/JP03/10727

<151> 2003-08-26

<160> 16

<170> PatentIn version 3.5

<210> 1

<211> 211

<212> PRT

<213> Archaeoglobus profundus

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20 25 30

Lys Ser Val Gly Val Lys Asp Ser Lys Lys Leu Asp Arg Arg Lys Arg
35 40 45

Glu Glu Leu Tyr Asn Ile Ile Lys Ser Leu Cys Lys Val Lys Val Leu
50 55 60

Lys Ile Ser Val Glu Asp Leu Asn Arg Leu Met Glu Tyr Met Ser Ile
65 70 75 80

Asn Glu Ile Leu Lys Arg Ala Tyr Val Glu Ile Ile Arg Ser Leu Met
85 90 95

Pro Lys Val Val Tyr Ile Asp Cys Pro Asp Ile Asn Val Glu Arg Phe
100 105 110

Lys His Glu Ile Glu Glu Arg Thr Gly Val Glu Val Phe Ala Ser His
115 120 125

Lys Ala Asp Glu Ile Tyr Pro Ile Val Ser Ile Ala Ser Ile Val Ala
130 135 140

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Lys Val Glu Arg Asp Phe Glu Ile Asp Lys Leu Lys Lys Ile Tyr Gly
145 150 155 160

Asp Phe Gly Ser Gly Tyr Pro Ser Asp Leu Arg Thr Ile Glu Phe Leu
165 170 175

Arg Ser Tyr Leu Arg Glu His Lys Ser Phe Pro Pro Ile Val Arg Lys
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Arg Trp Lys Thr Leu Lys Arg Leu Thr Thr His Thr Leu Ser Asp Phe
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Phe Glu Val
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aagaagctgg ataggaggaa gagagaggaa ctttacaata tcataaaatc gctttgcaag 180
gttaaggtat tgaaaatatc tgtcgaggat ttgaacaggt taatggaata catgagtata 240
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tacatagact gtccagatat taatgtggag agatttaagc acgaaataga ggagagaacg 360
ggagtggagg tatttgcgag ccataaagcg gacgagatat atccaatagt atctatagct 420
tcgatagtcg caaaagttga aagggatttt gaaatagaca agctgaagaa gatttatgga 480
gactttggga gtggatatcc atcagatcta agaaccatcg aatttttaag gagttatcta 540
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<223> PCR primer RN-F1 for cloning a gene encoding a polypeptide having
a RNaseH activity from Archaeoglobus profundus

<220>
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<222> (18)..(18)
<223> n is a, c, g, or t

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a RNaseH activity from Archaeoglobus profundus

<220>
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<223> n is a, c, g, or t

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<210> 5
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<210> 8
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 <213> Hepatitis B virus

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 gtcccttget ttctctgccg ttccagccga ccacggggcg cacctctctt tacgcggtct 180
 ccccgtctgt gccttctcat ctgccggacc gtgtgcactt cgcttcacct ctgcacgtcg 240
 catggagacc accgtgaacg gccaccaggt cttgcccag ctcttacata agaggactct 300
 tggactctca gcaatgtcaa caaccgacct tgaggcatac ttcaaagact gtttgtttaa 360
 agactgggag gagttggggg aggagattag gttaaaggctc tttgtactag gaggctgtag 420

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gcataaattg gtctgttcac cagcaccatg caactttttc acctctgcct aatcatctca 480
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 attgacccgt ataaagaatt 560

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<220>
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<210> 12
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<220>
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<400> 12
 tcctcccagt ctttaaacam ac 22

<210> 13
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 <212> DNA
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<220>
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<210> 14
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<220>
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49